

*Revisions to the Michigan Uniform Energy Code (based on Chapter 11 of the International Residential Code as amended by Michigan) will go into effect on **February 28, 2005**.*

Who will be affected by changes to the code?

The code applies to new construction for detached 1 and 2 family homes, and multiple single-family dwellings. Compliance is based on the climate zone where the building is located.



What is a Climate Zone?

Michigan is broken down (by county) into three climate zones. Generally speaking, Zone 1 covers the southern lower peninsula, Zone 2 covers the northern lower peninsula, and the upper peninsula makes up Zone 3. Check the Michigan Uniform Energy Code online at <http://www.michigan.gov/bcc>, under the link "Administrative Rules and Public Acts" to find out which climate zone your county falls under.

Points To Consider Regarding Home Energy Efficiency

When assessing the energy efficiency of a home, it is important to look at over-all energy performance instead of focusing on one item (such as insulation). The goal is to combine a variety of energy efficient strategies to achieve a maximum net benefit. Some things to think about:

- ❖ windows and insulation
- ❖ lighting and appliance choices
- ❖ site orientation
- ❖ landscaping
- ❖ sealing air leaks

The good news is that buying an energy efficient home comes with a number of advantages, including quality construction, lower utility costs, improved comfort and indoor air quality, and a potential for higher resale value for your home.



The Revised Michigan Uniform Energy Code

What Does it Mean for Residential Construction?



Energy Office

How do I comply with the code?

It's easier than you think! Compliance can be demonstrated by any one of the following:

1. Meeting the requirements of the code (*see table on the right*).
2. Meeting the requirements of the International Energy Conservation Code (IECC) for detached 1- and 2-family dwellings (*see website at bottom right*).
3. Meeting the design, construction and certification requirements under the ENERGY STAR® Homes Program (*a certified home energy rater can help you with this*).
4. Meeting the design and construction requirements in conformance with the national Home Energy Rating System (HERS) guidelines with a score of 83 or better (*a certified home energy rater can help you with this, too!*).

IECC

By complying with the International Energy Conservation Code (IECC), you meet the requirements of the Michigan Uniform Energy Code.

Want to see how you're doing? Try using the *free* REScheck software at:
<http://energycode.pnl.gov/REScheckWeb/> !



Simplified Prescriptive Building Envelope Thermal Component Criteria Minimum Required Thermal Performance (U-Factor and R-Value)

Exterior Enclosure		Zones		
		1	2	3
Wall Assemblies		R-21	R-21	R-21
Fenestration/Opening (area weighted average of the total area of fenestration units) ¹		U =0.35 (R= 2.85)		
Roof/Ceiling Assemblies ²		R-49	R-49	R-49
Floors over unconditioned spaces		R -21	R-21	R-21
Slab on grade construction ³		R-11	R-13	R-18
Crawl space walls ⁴		R-20	R-20	R-20
<div style="background-color: #cccccc; padding: 10px; display: inline-block;"> Basement walls </div>	Continuous Insulation	R-10	R-10	R-15
	Cavity Insulation	R-11	R-11	R-19

1 Fenestration units are required to meet this standard for the entire unit.

2 Skylight U (1/R) factors are required to meet the fenestration requirements set forth in this table for fenestration/openings. Skylights are limited to 10% of the gross roof/ceiling area.

3 See section N1102.1.6 for additional installation criteria.

4 See section N1102.1.7 for additional installation criteria.



This brochure should be considered a general guide. It is not a comprehensive review of the Michigan Uniform Energy Code. You can view the revised Michigan Uniform Energy Code online at <http://www.michigan.gov/bcc> , under the link "Administrative Rules and Public Acts". A paper copy of the Code is available for \$2.50 at: MI Dept. of Labor & Economic Growth, Bureau of Construction Codes & Fire Safety, 2501 Woodlake Circle, Okemos, MI, 48864.

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